

To The Commission:

The Commission's consideration of placing HF frequency range data carriers on the nation's power grid is ill-advised and will provide a severe handicap to the users of the HF radio spectrum.

While on a trip from Milwaukee to Dayton, I was monitoring the 40 meter HF band from my vehicle. The noise level was varying between S-6 to S-9 on the meter of my ICOM IC-706MkIIIG and mobile vertical antenna. The noise consisted of primarily 60/120 Hz noise as heard on the AM receive function. This noise level stayed consistent until I arrived in the northern part of Illinois where the noise level dropped down to S-1/S-2. When listening to the AM mode, the power line noise was gone. Why was this? There were no power lines to be seen at all around me.

Imposing data carriers in the HF band will turn the already poorly shielded power lines into long wire radiators and even if the signals are spread spectrum, this will considerably add to the noise levels that the users of the HF spectrum have to deal with already from the noise being radiated already from the power lines courtesy of arcing, non-linear loads, corona discharge, lack of proper maintenance, etc.

On behalf of all users of the HF spectrum - personal, professional, amateur, commercial, federal, military, I request that The Commission does not approve 03-104.

Respectfully submitted,

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